

ABSTRACT OF THE DISCLOSURE

A selective deposition system and method for initiating deposition of an unconsolidated material at a defined starting surface. The system includes a sensor system for measuring an upper surface of a workpiece and a surface level of the unconsolidated material as deposited on the upper surface of the workpiece. The deposition process and measurement of the upper surface of the material on the workpiece are continuously performed as the material is applied in a layer by layer deposition process resulting in a substantially uniform material of a predetermined thickness on beginning at the upper surface of the workpiece.

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